

ANNALS OF MATHEMATICS

EDITED BY

Armand Borel William Browder

John Milnor Elias M. Stein

WITH THE COOPERATION OF

Princeton University and The Institute for Advanced Study

AND

J. F. ADAMS

L. A. E. CARLESON

P. DELIGNE

P. A. GRIFFITHS

R. KIRBY

D. S. ORNSTEIN

H. ROYDEN

G. E. SACKS

R. SOLOVAY

F. TREVES

TECHNICAL EDITOR

ELEANOR WEISENBORN



SECOND SERIES, VOL. 105, 1977



INDEX

ABIKOFF, W. Degenerating families of Riemann surfaces.....	29- 44
ALMGREN, F. J. and THURSTON, W. P. Examples of unknotted curves which bound only surfaces of high genus within their convex hulls	527-538
ANDERSON, D. R. and HSIANG, W.-C. The functors K_{-i} and pseudo- isotopies of polyhedra	201-223
BAUM, L. E. and SWEET, M. M. Badly approximable power series in characteristic 2	573-580
BROWN, L. G., DOUGLAS, R. G. and FILLMORE, P. A. Extensions of C^* -algebras and K -homology	265-324
BRUNEL, A. et REVUZ, D. Marches de Harris sur les groupes localement compacts IV.....	361-396
BURGHELEA, D. and LASHOF, R. Stability of concordances and the suspension homomorphism.....	449-472
CAPPELL, S. E. and SHANESON, J. L. Singularities and immersions..	539-552
CÓRDOBA, A. The multiplier problem for the polygon	581-588
DAVIS, M. and HSIANG, W.-C. Concordance classes of regular U_n and Sp_n action on homotopy spheres.....	325-341
DOUGLAS, R. G. See Brown, Douglas, and Fillmore.	
DUFLO, MICHEL. Sur la classification des idéaux primitifs dans l'algèbre enveloppante d'une algèbre de Lie semi-simple.....	107-120
EBIN, D. G. The motion of slightly compressible fluids viewed as a motion with strong constraining force	141-200
FILLMORE, P. A. See Brown, Douglas, and Fillmore.	
FRANKS, J. M. Constructing structurally stable diffeomorphisms...	343-359
FRIEDMAN, H. Set theoretic foundations for constructive analysis..	1- 28
HARTSHORNE, R. and SPEISER, R. Local cohomological dimension in characteristic p	45- 79
FRÖHLICH, J. and SIMON, B. Pure states for general $P(\phi)_2$ theories: Construction, regularity, and variational equality.....	493-526
HSIANG, W.-C. See Anderson and Hsiang. Davis and Hsiang.	
LASHOF, R. See Burghlelea and Lashof.	
MARCUS, B. Ergodic properties of horocycle flows for surfaces of negative curvature.....	81-105
PRASAD, G. Strong approximation for semi-simple groups over function fields.....	553-572

INDEX

- REVUZ, D. *See* Brunel et Revuz.
- SCOTT, L. L. Matrices and cohomology.....473-492
- SHANESON, J. L. *See* Cappell and Shaneson.
- SIMON, B. *See* Fröhlich and Simon.
- SIMPSON, S. G. First-order theory of the degrees of recursive
unsolvability.....121-139
- SPEISER, R. *See* Hartshorne and Speiser.
- SWEET, M. M. *See* Baum and Sweet.
- THURSTON, W. P. *See* Almgren and Thurston.
- WELLS, R. O. JR. and WOLF, J. A. Poincaré series and automorphic
cohomology on flag domains.....397-448
- WOLF, J. A. *See* Wells and Wolf.
- YAU, S.-T. *See* Siu and Yau.
- SIU, Y.-T. and YAU, S.-T. Complete Kähler manifolds with
nonpositive curvature of faster than quadratic decay225-264

ANNALS OF MATHEMATICS

EDITED BY

Armand Borel William Browder

Joseph J. Kohn

John Milnor Elias M. Stein

WITH THE COOPERATION OF

Princeton University and The Institute for Advanced Study

AND

J. P. ADAMS

L. A. E. CARLESON

P. DELIGNE

P. A. GRIFFITHS

R. KIRBY

D. S. ORNSTEIN

H. ROYDEN

G. E. SACKS

R. SOLOVAY

F. TREVES

TECHNICAL EDITOR

ELEANOR MAY



SECOND SERIES, VOL. 106, 1977

NO. 1110000

STANDARD

THE

STANDARD

STANDARD

STANDARD

STANDARD

STANDARD

STANDARD

STANDARD

STANDARD

STANDARD

INDEX

ASCHBACHER, M. A characterization of Chevalley groups over fields of odd order, Parts I and II.....	353-468
AXLER, S. Factorization of L^∞ functions.....	567-572
BOWEN, R. Anosov foliations are hyperfinite.....	549-565
BOWEN, R. and FRANKS, J. Homology for zero-dimensional nonwandering sets	73- 92
CAFFARELLI, L. A. and RIVIERE, N. M. Asymptotic behaviour of free boundaries at their singular points	309-317
CWIKEL, M. Weak type estimates for singular values and the number of bound states of Schrödinger operators	93-100
EISENBUD, D. and LEVINE, H. I. An algebraic formula for the degree of a C^∞ map germ.....	19- 38
ELLIOTT, G. A. Some C^* -algebras with outer derivations, III.....	121-143
FERRY, S. The homeomorphism group of a compact Hilbert cube manifold is an ANR	101-119
FRANKS, J. See Bowen and Franks.	
FREEMAN, M. Local biholomorphic straightening of real submanifolds	319-352
GIESEKER, D. On the moduli of vector bundles on an algebraic surface.....	45- 60
GROVE, K. and SHIOHAMA, K. A generalized sphere theorem.....	201-211
HARVEY, F. R. and LAWSON, H. B. Jr. On boundaries of complex analytic varieties, II.....	213-238
KASHIWARA, M. and OSHIMA, T. Systems of differential equations with regular singularities and their boundary value problems..	145-200
JØRGENSEN, T. Compact 3-manifolds of constant negative curvature fibered over the circle	61- 72
LAWSON, H. B. Jr. See Harvey and Lawson.	
LEVINE, H. I. See Eisenbud and Levine.	
MAGIDOR, MENACHEM. On the singular cardinals problem II	517-547
MARIN, A. La transversalité topologique	269-293
MILLER, H. R., RAVENEL, D. C. and WILSON, W. S. Periodic phenomena in the Adams-Novikov spectral sequence	469-516
NIEBUR, D. and SHEINGORN, M. Characterization of Fuchsian groups whose integrable forms are bounded.....	239-258
OBERLIN, D. M. Random rearrangements of Fourier coefficients.....	259-268

INDEX

- OSHIMA, T. *See* Kashiwara and Oshima.
- RAVENEL, D. C. *See* Miller, Ravenel, and Wilson.
- RIVIERE, N. M. *See* Caffarelli and Riviere.
- ROTHAUS, O. S. On the non-triviality of some group extensions
given by generators and relations599-612
- SHEINGORN, M. *See* Niebur and Sheingorn.
- SHIOHAMA, K. *See* Grove and Shiohama
- TEISSIER, B. Sur une inégalité à la Minkowski pour
les multiplicités 38- 44
- UCHIDA, K. Isomorphisms of Galois groups of algebraic function
fields589-598
- WEST, J. E. Mapping Hilbert cube manifolds to ANR's 1- 18
- WILSON, W. S. *See* Miller, Ravenel, and Wilson.
- ZIMMER, R. J. Orbit spaces of unitary representations, ergodic
theory, and simple Lie groups573-588
- ZUCKERMAN, G. Tensor products of finite and infinite dimensional
representations of semisimple Lie groups.....295-308

